

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(257/678-773,787-796,E21.499-E21.519, E23.001-E23.194).CCLS.	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2010/01/06 14:06
L1	1	("5751068").PN.	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2010/01/07 09:18
S1	1	("20070161154").PN.	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2008/11/18 13:33
S2	1	("7278203").PN.	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2008/11/18 15:13
S3	1	("20010012645").PN.	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2008/11/18 15:31
S4	1	("7278203").PN.	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2008/11/18 15:31
S5	3470	(438/106).CCLS.	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2008/11/18 15:36
S6	131	S5 and antenna	US-PGPUB; USPAT; USOOCR	ADJ	ON	2008/11/18 15:36
S7	51	((5926463) or ("5472825") or ("5327012") or ("4286177") or ("5201160") or ("5381515") or ("5410173") or ("5514895") or ("5763905") or ("4761346") or ("5196362") or ("5225706") or ("5280176") or ("5309122") or ("5497253") or ("5808832") or ("5851880") or ("5982545") or ("6023840") or ("6028360") or ("6070905") or ("6104450") or ("6106352") or ("6163075") or ("4313152") or ("4342817") or ("4352041") or ("4417946") or ("4438982") or ("4564051") or ("4803597") or ("4842372") or ("4913744") or ("4958327") or ("4968571") or ("4982385") or ("5181850") or ("5189499") or ("5196725") or ("5198884") or	US-PGPUB; USPAT; USOOCR; EPO	OR	OFF	2008/11/18 15:58

		("5245505") or ("5256051") or ("5262722") or ("5262794") or ("5264319") or ("5367500") or ("5372990") or ("5416971") or ("5456762") or ("5457335").PN.				
S8	18	("4857893" "5023624" "5483678" "5528222" "5682143" "6014113" "6243040" "6268796" "6320543" "6362525" "6373447" "6396078" "6421013" "6607135").PN. OR ("6849936").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:15
S9	13	("5429992" "5639694" "5683994").PN. OR ("6180433").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:30
S10	0	S8 and S9	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:32
S11	31	S8 or S9	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:32
S12	8725	mitsuo	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:59
S13	115	mitsuo and usami	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:59
S14	78	mitsuo and usami and semiconductor near3 device	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 17:00
S15	9	mitsuo and usami and semiconductor near3 device and akira	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 17:00
S16	8	mitsuo and usami and semiconductor near3 device and akira and sato	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 17:00
S17	1	("7036741").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 17:02
S18	1	("6588672").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:44
S19	1	("6514796").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:45
S20	1	("6635968").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:45
S21	1	("6589855").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:46

S22	1	("7395012").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:57
S23	1	("6727685").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:58
S24	4	("4940935" "4978913" "5673799" "6479777").PN. OR ("6727685").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/19 09:59
S25	1	("7119299").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 10:00
S26	154818	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 10:34
S27	1	("7036741").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:22
S28	479	transport\$3 same suppl\$4 same (secur\$3 near3 pin)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:27
S29	3677	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:27
S30	0	S28 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:27
S31	165173	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:27
S32	0	S28 and S31	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:28
S33	125782	("324").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:28
S34	0	S33 and S28	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:28
S35	3860	transport\$3 same (secur\$3 near3 pin)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:28
S36	0	S35 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29
S37	8	S35 and S31	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29

S38	3	S35 and S33	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29
S39	11	S37 or S38	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29
S40	1	("6479777").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:36
S41	37	(ejector near3 pin) and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:39
S42	4	((ejector near3 pin) same transport\$4) and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:40
S43	15	("20050093677" "20050134460" "5027107" "5781159" "5786626" "6504507" "6657432" "6795025" "6836248" "6900536" "6930401").PN. OR ("7036741").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:44
S44	19157	transport\$4 same secur\$4 same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:48
S45	1	S44 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:48
S46	1	("20070161154").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:59
S47	540	securing pin same alignment	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:04
S48	0	S47 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:04
S49	26	securing pin same alignment same transport\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:04
S50	1	securing pin same alignment same transport\$4 and (circuit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:05
S51	1132	(transport\$4 or transfer\$4) same (chip or die or device or element) same precision same alignment	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:09
S52	132	(transport\$4 or transfer\$4) same (chip or die or device or element) same precision same alignment same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:09
S53	682	(suction or vacuum) same (transfer\$4 or transport\$4) same (secur\$3 near4 pin)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:13
S54	627	(suction or vacuum) same (transfer\$4 or transport\$4) same (secur\$3 near4 pin) and (chip or device or die or dice or dies or IC or element or package)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:14

S55	318	(suction or vacuum) same (transfer\$4 or transport\$4) same (secur\$3 near4 pin) and (chip or die or dice or dies or IC or package)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:14
S56	287	(suction or vacuum) same (transfer\$4 or transport\$4) same (secur\$3 near4 pin) and (chip or die or dice or dies or IC)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:15
S57	52	(suction or vacuum) same (transfer\$4 or transport\$4) same (secur\$3 near4 pin) same alignment and (chip or die or dice or dies or IC)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:15
S58	23	("5258648" "5363277" "5438223").PN. OR ("5751068").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:36
S59	2966	holding same transport same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 07:45
S60	165392	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 07:45
S61	20	S59 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 07:45
S62	92	transport same secure near4 (chip or die)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:03
S63	15	S62 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:03
S64	3678	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 08:36
S65	3009	(secure or attach) near3 (device or chip or die) near5 (pin or press or hold)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:39
S66	10	S65 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:39
S67	2078	vacuum same hold same thin same (chip or die or dice or dies or device)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:42
S68	7	S64 and S67	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:42
S69	2828	(vacuum or suction) same hold same thin same (chip or die or dice or dies or device)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:44
S70	7	S69 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:44
S71	201606	pick and place	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:45

S72	63	"pick and place"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:45
S73	0	S72 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:45
S74	165392	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 08:45
S75	0	S74 and S72	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:46
S76	125836	("324").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 08:46
S77	4	S76 and S72	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:46
S78	0	(kojima near2 tomoyuki and fukuzawa near2 mikio).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:54
S79	15	(kojima near2 tomoyuki).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:54
S80	0	(kojima near2 tomoyuki and mikio).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S81	0	(kojima near2 tomoyuki and fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S82	0	(kojima and fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S83	0	(kojima near4 fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S84	0	(mikio near4 fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S85	55	accurat\$4 near5 attach near5 (die or chip)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:31
S86	545	(clamp near6 (die or chip or device or IC) same ((pick or lift) near5 up)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:44
S87	0	S86 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:44
S88	4	S86 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:44

S89	1	("7278203").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 10:14
S90	116	pick near3 up near6 sides near5 (chip or die or dice or dies or IC)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:17
S91	27	S90 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:17
S92	70	("3597666" "4451973" "4529667" "4637130").PN. OR ("5034350").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:26
S93	195	clamping near3 pin near6 (die or dice or dies or chips or IC\$1)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:33
S94	1	clamping near3 pin near6 (die or dice or dies or chips or IC\$1) near9 (transport\$3 or transfer\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:33
S95	12288	suction same clamp	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 11:51
S96	23260	suction same clamp\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 11:51
S97	154	S96 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 11:52
S98	18	S96 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 11:52
S99	27166	(magnet or magnetic) same (transfer or move or lift or pick) same (chip or die or dice or dies or IC or (electronic near3 device))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:50
S100	125995	("324").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/23 09:51
S101	165892	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/23 09:51
S102	348258	("257").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/23 09:51
S103	1643	S99 and (S100 or S101 or S102)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:51
S104	1228	S99 and S100	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52
S105	174	S99 and S101	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52

S106	344	S99 and S102	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52
S107	3640	(magnet or magnetic) same (transfer or move or lift or pick) same (chip or die or dice or dies or IC or (electronic near3 device)) and vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52
S108	59	S107 and S101	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:53
S109	1	("2008/0265376").URPN.	USPAT	ADJ	ON	2009/06/23 09:56
S110	123	pin same (compress or press down) same (chip or die or IC or integrated circuit) same adhesive	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 12:30
S111	34	pin same (compress or press down) same (chip or die or IC or integrated circuit) same adhesive same align\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 12:30
S112	89	S110 not S111	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 12:35
S113	16	pin same (compress or press down) same (chip or die or IC or integrated circuit) same adhesive same continuous	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 13:27
S114	19	pin same (compress or press down) same (chip or die or IC or integrated circuit) same adhesive same continuous\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 13:27
S115	3850	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/01/06 13:27
S116	1109	(438/15).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/01/06 14:05
S117	933	(438/26).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/01/06 14:05
S118	11016	(438/15,26,51,55,64,106,124-127).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/01/06 14:05
S119	50873	(257/678-773,787-796,).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/01/06 14:06
S120	23577	(257/E21.499-E21.519).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/01/06 14:06
S121	69425	S118 or S119 or S120	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:07

S122	1	S121 and notch same transport\$4 same (IC or die or chip) and secur\$4 same adhesive same (IC or die or chip or dies or dice)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:10
S123	4	S121 and notch same transport\$4 same (IC or die or chip) and adhesive same (IC or die or chip or dies or dice)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:11
S124	3	S123 not S122	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:12
S125	0	S121 and notch same transport\$4 same (IC or die or chip) and adhesive same (IC or die or chip or dies or dice) same align\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:13
S126	19	(kousuke near2 tanaka).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:16
S127	6	(hironori near2 ishizaka).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:16
S128	3	(kouji near2 tasaki).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:16
S129	3	(masahito near2 shibutani).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:17
S130	3	(masahisa near2 shinzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:17
S131	2	(hidehiko near2 tonotsuka).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:17
S132	3	(katsuya near2 iwata).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:17
S133	22	S126 or S127 or S128 or S129 or S130 or S131 or S132	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/06 14:18
S134	1	("7278203").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2010/01/06 14:24

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